



## SEQUENCE LISTING

<110> Gaiger, Alexander  
Cheever, Martin A.

<120> COMPOSITIONS AND METHODS FOR WT1  
SPECIFIC IMMUNOTHERAPY

<130> 210121.465C3

<140> US 09/685,830

<141> 2000-10-09

<150> US 09/684,361

<151> 2000-10-06

<150> US 09/276,484

<151> 1999-03-25

<150> US 09/164,223

<151> 1998-09-30

<160> 326

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<210> 300

<211> 9

<212> PRT

<213> Mus musculus

<400> 300

Thr Cys Gln Arg Lys Phe Ser Arg Ser  
1 5

<210> 301

<211> 9

<212> PRT

<213> Mus musculus

<400> 301

Thr Glu Gly Gln Ser Asn His Gly Ile  
1 5

<210> 302

<211> 9

<212> PRT

<213> Mus musculus

<400> 302

Thr Leu His Phe Ser Gly Gln Phe Thr  
1 5

<210> 303

<211> 9

<212> PRT

<213> Mus musculus

<400> 303

Thr Leu Val Arg Ser Ala Ser Glu Thr  
1 5

<210> 304

<211> 9

<212> PRT

<213> Mus musculus

<400> 304

Val Leu Asp Phe Ala Pro Pro Gly Ala  
1 5

<210> 305

<211> 9

<212> PRT

<213> Mus musculus

<400> 305

Trp Asn Gln Met Asn Leu Gly Ala Thr  
1 5

<210> 306

<211> 9

<212> PRT

<213> Mus musculus

<400> 306

Tyr Phe Lys Leu Ser His Leu Gln Met  
1 5

<210> 307

<211> 9

<212> PRT

<213> Mus musculus

<400> 307

Tyr Gln Met Thr Ser Gln Leu Glu Cys  
1 5

<210> 308

<211> 9

<212> PRT

<213> Mus musculus

<400> 308

Tyr Ser Ser Asp Asn Leu Tyr Gln Met  
1 5

<210> 309

<211> 6

<212> PRT

<213> Homo sapien

<400> 309

Gly Ala Ala Gln Trp Ala  
1 5

<210> 310

<211> 12

<212> PRT

<213> Homo sapien

<400> 310

Ala Ser Ala Tyr Gly Ser Leu Gly Gly Pro Ala Pro  
1 5 10

<210> 311

<211> 15

<212> PRT

<213> Homo sapien

<400> 311

Ala	Phe	Thr	Val	His	Phe	Ser	Gly	Gln	Phe	Thr	Gly	Thr	Ala	Gly
1				5					10					15

<210> 312

<211> 5

<212> PRT

<213> Homo sapien

<400> 312

His	Ala	Ala	Gln	Phe
1				5

<210> 313

<211> 32

<212> PRT

<213> Homo sapien

<400> 313

Cys	His	Thr	Pro	Thr	Asp	Ser	Cys	Thr	Gly	Ser	Gln	Ala	Leu	Leu	Leu
1				5					10					15	
Arg	Thr	Pro	Tyr	Ser	Ser	Asp	Asn	Leu	Tyr	Gln	Met	Thr	Ser	Gln	Leu
			20					25					30		

<210> 314

<211> 32

<212> PRT

<213> Homo sapien

<400> 314

Arg	Ile	His	Thr	His	Gly	Val	Phe	Arg	Gly	Ile	Gln	Asp	Val	Arg	Arg
1				5					10					15	
Val	Pro	Gly	Val	Ala	Pro	Thr	Leu	Val	Arg	Ser	Ala	Ser	Glu	Thr	Ser
			20					25					30		

<210> 315

<211> 4

<212> PRT

<213> Homo sapien

<400> 315

Arg	Tyr	Phe	Lys
1			

<210> 316

<211> 14

<212> PRT

<213> Homo sapien

<400> 316

Glu	Arg	Arg	Phe	Ser	Arg	Ser	Asp	Gln	Leu	Lys	Arg	His	Gln
1				5					10				

<210> 317  
 <211> 22  
 <212> PRT  
 <213> Homo sapien

<400> 317  
 Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr His Thr Arg Thr  
 1 5 10 15  
 His Thr Gly Lys Thr Ser  
 20

<210> 318  
 <211> 21  
 <212> PRT  
 <213> Homo sapien

<400> 318  
 Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val Arg His His Asn  
 1 5 10 15  
 Met His Gln Arg Asn  
 20

<210> 319  
 <211> 449  
 <212> PRT  
 <213> Homo sapien

<400> 319  
 Met Gly Ser Asp Val Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro  
 1 5 10 15  
 Ser Leu Gly Gly Gly Gly Cys Ala Leu Pro Val Ser Gly Ala Ala  
 20 25 30  
 Gln Trp Ala Pro Val Leu Asp Phe Ala Pro Pro Gly Ala Ser Ala Tyr  
 35 40 45  
 Gly Ser Leu Gly Gly Pro Ala Pro Pro Ala Pro Pro Pro Pro  
 50 55 60  
 Pro Pro Pro Pro His Ser Phe Ile Lys Gln Glu Pro Ser Trp Gly Gly  
 65 70 75 80  
 Ala Glu Pro His Glu Glu Gln Cys Leu Ser Ala Phe Thr Val His Phe  
 85 90 95  
 Ser Gly Gln Phe Thr Gly Thr Ala Gly Ala Cys Arg Tyr Gly Pro Phe  
 100 105 110  
 Gly Pro Pro Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe  
 115 120 125  
 Pro Asn Ala Pro Tyr Leu Pro Ser Cys Leu Glu Ser Gln Pro Ala Ile  
 130 135 140  
 Arg Asn Gln Gly Tyr Ser Thr Val Thr Phe Asp Gly Thr Pro Ser Tyr  
 145 150 155 160  
 Gly His Thr Pro Ser His His Ala Ala Gln Phe Pro Asn His Ser Phe  
 165 170 175  
 Lys His Glu Asp Pro Met Gly Gln Gln Gly Ser Leu Gly Glu Gln Gln  
 180 185 190  
 Tyr Ser Val Pro Pro Pro Val Tyr Gly Cys His Thr Pro Thr Asp Ser

[illegible]

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<210> 320
<211> 449
<212> PRT
<213> Mus musculus
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Met Gly Ser Asp Val Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Ser															
1				5					10					15	
Ser	Leu	Gly	Gly	Gly	Gly	Gly	Cys	Gly	Leu	Pro	Val	Ser	Gly	Ala	Ala
			20					25					30		
Gln	Trp	Ala	Pro	Val	Leu	Asp	Phe	Ala	Pro	Pro	Gly	Ala	Ser	Ala	Tyr
		35				40						45			
Gly	Ser	Leu	Gly	Gly	Pro	Ala	Pro	Pro	Pro	Ala	Pro	Pro	Pro	Pro	Pro
	50					55					60				
Pro	Pro	Pro	Pro	His	Ser	Phe	Ile	Lys	Gln	Glu	Pro	Ser	Trp	Gly	Gly
65					70					75					80
Ala	Glu	Pro	His	Glu	Glu	Gln	Cys	Leu	Ser	Ala	Phe	Thr	Leu	His	Phe
				85											
Ser	Gly	Gln	Phe	Thr	Gly	Thr	Ala	Gly	Ala	Cys	Arg	Tyr	Gly	Pro	Phe
			100					105					110		



Gly Pro Pro Pro Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe  
           115                  120                  125  
 Pro Asn Ala Pro Tyr Leu Pro Ser Cys Leu Glu Ser Gln Pro Thr Ile  
       130                  135                  140  
 Arg Asn Gln Gly Tyr Ser Thr Val Thr Phe Asp Gly Ala Pro Ser Tyr  
 145                  150                  155                  160  
 Gly His Thr Pro Ser His His Ala Ala Gln Phe Pro Asn His Ser Phe  
                   165                  170                  175  
 Lys His Glu Asp Pro Met Gly Gln Gln Gly Ser Leu Gly Glu Gln Gln  
           180                  185                  190  
 Tyr Ser Val Pro Pro Pro Val Tyr Gly Cys His Thr Pro Thr Asp Ser  
       195                  200                  205  
 Cys Thr Gly Ser Gln Ala Leu Leu Arg Thr Pro Tyr Ser Ser Asp  
       210                  215                  220  
 Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys Met Thr Trp Asn Gln  
 225                  230                  235                  240  
 Met Asn Leu Gly Ala Thr Leu Lys Gly Met Ala Ala Gly Ser Ser Ser  
           245                  250                  255  
 Ser Val Lys Trp Thr Glu Gly Gln Ser Asn His Gly Ile Gly Tyr Glu  
           260                  265                  270  
 Ser Asp Asn His Thr Ala Pro Ile Leu Cys Gly Ala Gln Tyr Arg Ile  
       275                  280                  285  
 His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg Val Ser  
       290                  295                  300  
 Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser Glu Lys  
 305                  310                  315                  320  
 Arg Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe Lys  
           325                  330                  335  
 Leu Ser His Leu Gln Met His Ser Arg Lys His Thr Gly Glu Lys Pro  
       340                  345                  350  
 Tyr Gln Cys Asp Phe Lys Asp Cys Glu Arg Arg Phe Ser Arg Ser Asp  
       355                  360                  365  
 Gln Leu Lys Arg His Gln Arg Arg His Thr Gly Val Lys Pro Phe Gln  
       370                  375                  380  
 Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr  
 385                  390                  395                  400  
 His Thr Arg Thr His Thr Gly Lys Thr Ser Glu Lys Pro Phe Ser Cys  
           405                  410                  415  
 Arg Trp His Ser Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val  
       420                  425                  430  
 Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu His Val Ala  
       435                  440                  445  
 Leu

&lt;210&gt; 321

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Homo sapien and Mus musculus

&lt;400&gt; 321

Pro Ser Gln Ala Ser Ser Gly Gln Ala

1

5

<210> 322  
 <211> 9  
 <212> PRT  
 <213> Homo sapien and Mus musculus

<400> 322  
 Ser Ser Gly Gln Ala Arg Met Phe Pro  
 1 5

<210> 323  
 <211> 9  
 <212> PRT  
 <213> Homo sapien and Mus musculus

<400> 323  
 Gln Ala Arg Met Phe Pro Asn Ala Pro  
 1 5

<210> 324  
 <211> 9  
 <212> PRT  
 <213> Homo sapien and Mus musculus

<400> 324  
 Met Phe Pro Asn Ala Pro Tyr Leu Pro  
 1 5

<210> 325  
 <211> 9  
 <212> PRT  
 <213> Homo sapien and Mus musculus

<400> 325  
 Pro Asn Ala Pro Tyr Leu Pro Ser Cys  
 1 5

<210> 326  
 <211> 9  
 <212> PRT  
 <213> Homo sapien and Mus musculus

<400> 326  
 Ala Pro Tyr Leu Pro Ser Cys Leu Glu  
 1 5